

**The Great Salt Lake: Biogeochemistry**  
**Great Salt Lake Water Quality Science Panel Meeting**  
**March 15 and 16, 2005**  
**Department of Environmental Quality, Room 201**  
**168 North 1950 West, Salt Lake City, Utah**

**Tuesday, March 15 Agenda**  
**8:30 a.m. to 5:15 p.m.**

**Introductory Comments:** Walt Baker, Acting Director, Division of Water Quality  
**Overview:** William Moellmer, Chair, Division of Water Quality

**Bathymetry of the Great Salt Lake - Measuring the depths and related profiles**  
Rob Baskin - USGS

**Great Salt Lake Geohydrology - What are the chemicals calculations, lake levels, and flows into the Great Salt Lake?**  
Wally Gwynn – Utah Geological Survey

**Wayne Wurtsbaugh - Nutrient and physical factors controlling algal production in the Great Salt Lake**  
Wayne Wurtsbaugh – Utah State University

**Great Salt Lake Watershed and Nutrient Dynamics - Inflow Statistics, Chemical Loads (especially selenium), and Nutrient and Isotopic Data**  
Dave Naftz - USGS

BREAK

**Selenium in Grebes, Sediment, and Brine Shrimp - What is the concentration of selenium in the sediments, food source, and birds of the Great Salt Lake**  
Bruce Waddell – US Fish and Wildlife

**Group Discussion on Great Salt Lake Hydrodynamics**

**Brine Shrimp Population Dynamics - How does the population of the brine shrimp of the Great Salt Lake change over time and conditions**  
Clay Perschon – Utah Division of Wildlife Resources

LUNCH

**Brine Shrimp Diet Studies and Population Model - How does brine shrimp populations fluctuate as a function of food source, etc.**  
Gary Belovsky – University of Notre Dame

**Brine Shrimp Industry Ecological Studies - Cyst Quality Evaluation, and Economic Considerations**  
Brad Marden – Parliament Fisheries, LLC  
Don Leonard – Utah Artemia Association

**Group Discussion on Brine Shrimp Population Dynamics, Diet Studies, and the Brine Shrimp Industry**

**Avian Usage of the Great Salt Lake Ecosystem - Great Salt Lake Waterbird Survey Results, Breeding Bird Studies, Distribution and Dietary Requirements of Resident and Migratory Birds**

Don Paul – Intermountain West Joint Venture

BREAK

**The Great Salt Lake Eared Grebe - Energetics, Population Dynamics, and Nutritional Requirements**

Mike Conover – Utah State University

**Current Water Bird Research on the Great Salt Lake**

Josh Vest – Utah State University

**Brine Shrimp/ Bird/Selenium Expert Panel Discussion - Primary Concerns, Data Gaps, and Research Priorities**  
Science Panel Members and Speakers

**Wednesday, March 16 Agenda  
8 a.m. to 3 p.m.**

**Review of Presentations**

**Brine Shrimp/ Bird/Selenium Expert Panel Discussion: Primary Concerns, Data Gaps, and Research Priorities Identification of More Data Needs [Continued]**

- Compilation of “where we are”
- BioGeoChemical Process Flow Chart
- Identification of Additional “Gaps”
- Identify research tops

**Request for Proposal (RFP) – Literature Review**

- Map Out RFP
  - Structure
  - Preliminary Cost Estimates
  - Suggestions for Contractors
  - Single Source vs. Bidding

**Discussion of other RFPs**

**Housekeeping Items**

- Reimbursements
- Improving the Meetings
- Etc.